



# PUBLIC NOTICE

US Army Corps  
of Engineers  
New York District  
Jacob K. Javits Federal Building  
New York, N.Y. 10278-0090  
ATTN: Regulatory Branch

In reply refer to:

Public Notice Number: NAN-2008-00510-EHA  
Issue Date: August 15, 2008  
Expiration Date: September 15, 2008

To Whom It May Concern:

The New York District, Corps of Engineers has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344).

APPLICANT: Fire Island Pines Erosion Control District  
c/o Ron Martin  
391 West Street, #4  
New York, New York 10014

ACTIVITY: Dredge sand from Atlantic Ocean borrow area and place material for beach nourishment

WATERWAY: Atlantic Ocean

LOCATION: Fire Island Pines, Town of Brookhaven, Suffolk County, New York

A detailed description and plans of the applicant's activity are enclosed to assist in your review.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

**ALL COMMENTS REGARDING THE PERMIT APPLICATION MUST BE PREPARED IN WRITING AND MAILED TO REACH THIS OFFICE BEFORE THE EXPIRATION DATE OF THIS NOTICE**, otherwise, it will be presumed that there are no objections to the activity.

Any person may request, in writing, before this public notice expires, that a public hearing be held to collect information necessary to consider this application. Requests for public hearings shall state, with particularity, the reasons why a

public hearing should be held. It should be noted that information submitted by mail is considered just as carefully in the permit decision process and bears the same weight as that furnished at a public hearing.

The New York District of the U.S. Army Corps of Engineers is serving as a cooperating agency involved in the preparation of an Environmental Assessment by the U.S. Department of the Interior, National Park Service, Fire Island National Seashore.

Information on project impacts to Endangered and Threatened Species, Essential Fish Habitat, and sites included in or eligible for inclusion in the National Register of Historic Places can be found in the Environmental Assessment. The point of contact for the Environmental Assessment is Michael Bilecki, Chief of Resources Management, Fire Island National Seashore at [Michael\\_Bilecki@nps.gov](mailto:Michael_Bilecki@nps.gov).

Reviews of activities pursuant to Section 404 of the Clean Water Act will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 (b) of the Clean Water Act and the applicant will obtain a water quality certificate or waiver from the appropriate state agency in accordance with Section 401 of the Clean Water Act prior to a permit decision.

Pursuant to Section 307 (c) of the Coastal Zone Management Act of 1972 as amended [16 U.S.C. 1456 (c)], for activities under consideration that are located within the coastal zone of a state which has a federally approved coastal zone management program, the applicant has certified in the permit application that the activity complies with, and will be conducted in a manner that is consistent with, the approved state coastal zone management program. By this public notice, we are requesting the state's concurrence with, objection to, or waiver of the applicant's certification. No permit decision will be made until one of these actions occurs. For activities within the coastal zone of New York State, the applicant's certification and accompanying information is available from the Consistency Coordinator, New York State Department of State, Division of Coastal Resources and Waterfront Revitalization, Coastal Zone Management Program, 99 Washington Avenue, Albany, New York 12231, Telephone (518) 474-6000. Comments regarding the applicant's certification, and copies of any letters to this office commenting upon this proposal, should be so addressed.

In addition to any required water quality certificate and coastal zone management program concurrence, the applicant has obtained or requested the following governmental authorization for the activity under consideration:

- New York State Department of Environmental Conservation
- U.S. Department of the Interior, National Park Service, Fire Island National Seashore
- Town of Brookhaven

It is requested that you communicate the foregoing information concerning the activity to any persons known by you to be interested and who did not receive a copy of this notice. If you have any questions concerning this application, you may contact this office at (917) 790-8523 and ask for Naomi Handell.

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PUBLIC NOTICE NO. NAN-2008-00510-EHA

For more information on New York District Corps of Engineers programs, visit our website at  
<http://www.nan.usace.army.mil>

*FOR Richard L. Tomer*  
Richard L. Tomer  
Chief, Regulatory Branch

Enclosures

## WORK DESCRIPTION

The applicant, Fire Island Pines Beach Erosion Control District, has requested Department of the Army authorization to dredge beach compatible sandy material from the Atlantic Ocean at the U.S. Army Corps of Engineers Borrow Area 2-East and place the material for beach nourishment at Fire Island Pines, Town of Brookhaven, Suffolk County, New York.

The work would involve dredging approximately 500,000 cubic yards of beach compatible sand from an offshore borrow area located one mile southeast of the Fire Island Pines community in the Corps of Engineers Borrow Area 2-East (see Sheets BA-2 and BA-3). The borrow area has existing water depths between 38 and 48 feet at mean low water and the dredging cut would have a maximum depth of approximately 11 feet below the sediment surface (See Sheet BA-4). Dredging would be accomplished using a hydraulic cutterhead dredge connected to a submerged pipeline that would transport the material directly to the beach or a hopper dredge which would collect sand directly, and then travel to a location where the sand would be pumped through a submerged pipeline onto the beach. The pipeline would be extended along the beach as construction progresses.

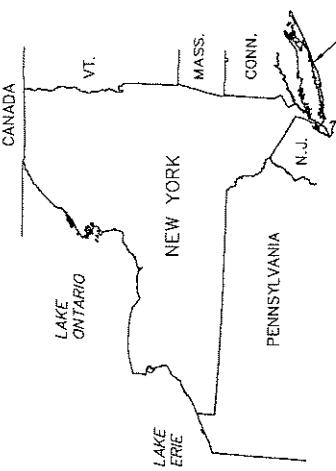
The resultant dredged material, composed of 98% sand and 2% silt, would be deposited for beach nourishment in the following manner (see Sheet PV-1, PV-2, PV-3, PR-1, PR-2, and PR-3):

- 189,200 cubic yards of dredged material would be deposited waterward of the spring high water line (SHWL); approximately 1,690,550 square feet of beach area waterward of the SHWL would be affected;
- The deposition area measures approximately 6,384 feet long by varying width up to 485 feet wide;
- The proposed beach berm elevation is 9 feet NVGD (7.9 feet NAVD) with a dune elevation of 15 feet NVGD feet (13.9 feet NAVD);
- The proposed slope between the dune crest and the beach berm is 1:5;
- The proposed slope between the beach berm and mean tide is 1:10;
- The added width after equilibrium will average 69 feet.

The stated purpose of this project is to restore the protective features of the beach and dune system which have been diminished due to erosion.

# FIRE ISLAND PINES SEGMENT FIRE ISLAND 2008 BEACH RENOURISHMENT PROJECT

TOWN OF BROOKHAVEN, NEW YORK



This map illustrates the southern coast of Long Island, specifically the Fire Island area, extending from New York to the Atlantic Ocean. Key locations labeled include:

- Lake Ontario
- Lake Erie
- VT.
- MASS.
- CONN.
- N.J.
- PENNSYLVANIA
- NEW YORK
- TOWN OF ISLIP BAY SHORE
- FIRE ISLAND
- SAYVILLE
- BROWN POINT
- GREAT SOUTH BAY
- OCEAN BEACH
- OAK BEACH
- DEMOCRAT POINT
- KISMET
- SALTIRE
- FIRE ISLAND INLET
- DAV PARK
- BAY POINT
- TOWN OF BROOKHAVEN
- FIRE ISLAND PINES
- OCEAN BEACH
- DAV
- BORROW AREA 2 EAST
- CENTRAL FIRE ISLAND SEGMENT
- BORROW AREA 2 WEST
- WESTERN FIRE ISLAND

The map also features several labels for "FIRE ISLAND PINES" areas, such as F45, F46, F47, F48, F49, F50, F51, F52, F53, F54, F55, F25 A, F26 A, F27 A, F28 A, F29 A, F30 A, F31 A, F32 A, F33 A, F34 A, and F35 A. A legend at the bottom indicates "N.T.S." and shows a north arrow.

INDEX TO SHEETS

PROFILE	FIRE ISLAND PINES, FIRE ISLAND, NEW YORK		
	NAME	RANGE NO (COMMENCEMENT POINT)	AZIMUTH
FIP-1+310	EASTING	NORTHING	
	1240154.9	181621.2	159.0
FIP-2	1240301.0	181663.0	159.0
FIP-3	1240795.0	181948.0	159.0
FIP-4	1241331.0	181991.0	159.0
FIP-5	1241960.0	182179.0	159.0
F-40	1242413.1	182337.2	159.0
FIP-7	1242896.0	182550.0	159.0
FIP-8	1243552.0	182672.0	159.0
FIP-9	1243771.2	182806.4	159.0
FIP-10	1244050.0	183017.0	159.0
FIP-11	1244710.0	183215.0	159.0
FIP-12	1245296.0	183331.0	159.0
FIP-13	1245761.0	183606.0	159.0
FIP-13+35	1246208.5	183651.7	159.0

ISLAND, NEW YORK  
THE RENOURISHMENT PROJECT

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F146

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**NAN-2008-00510-EHA**

THOMAS J CAMPBELL, P.E. NO. 56457

SHEET 1 OF 12

DATE \_\_\_\_\_





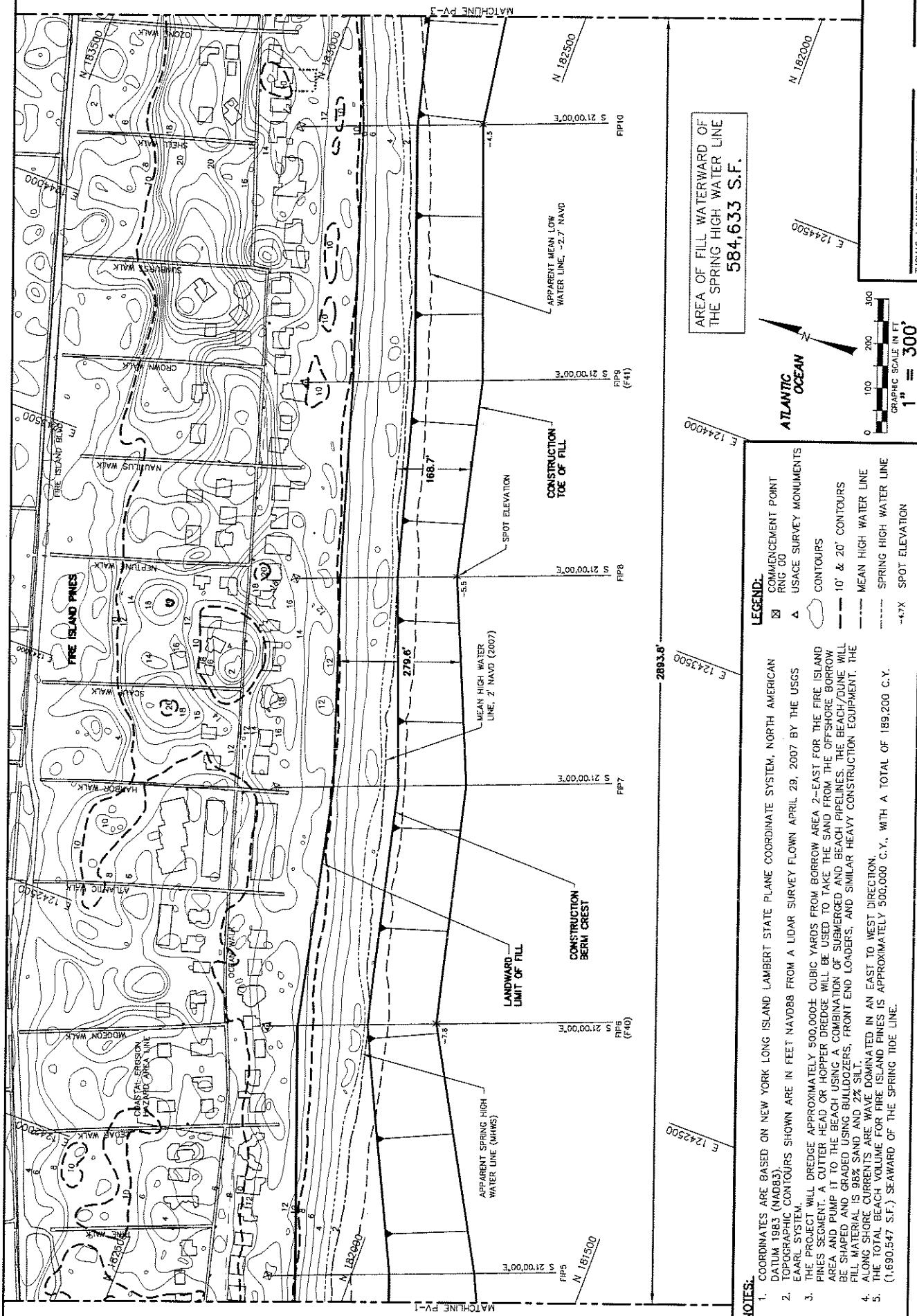
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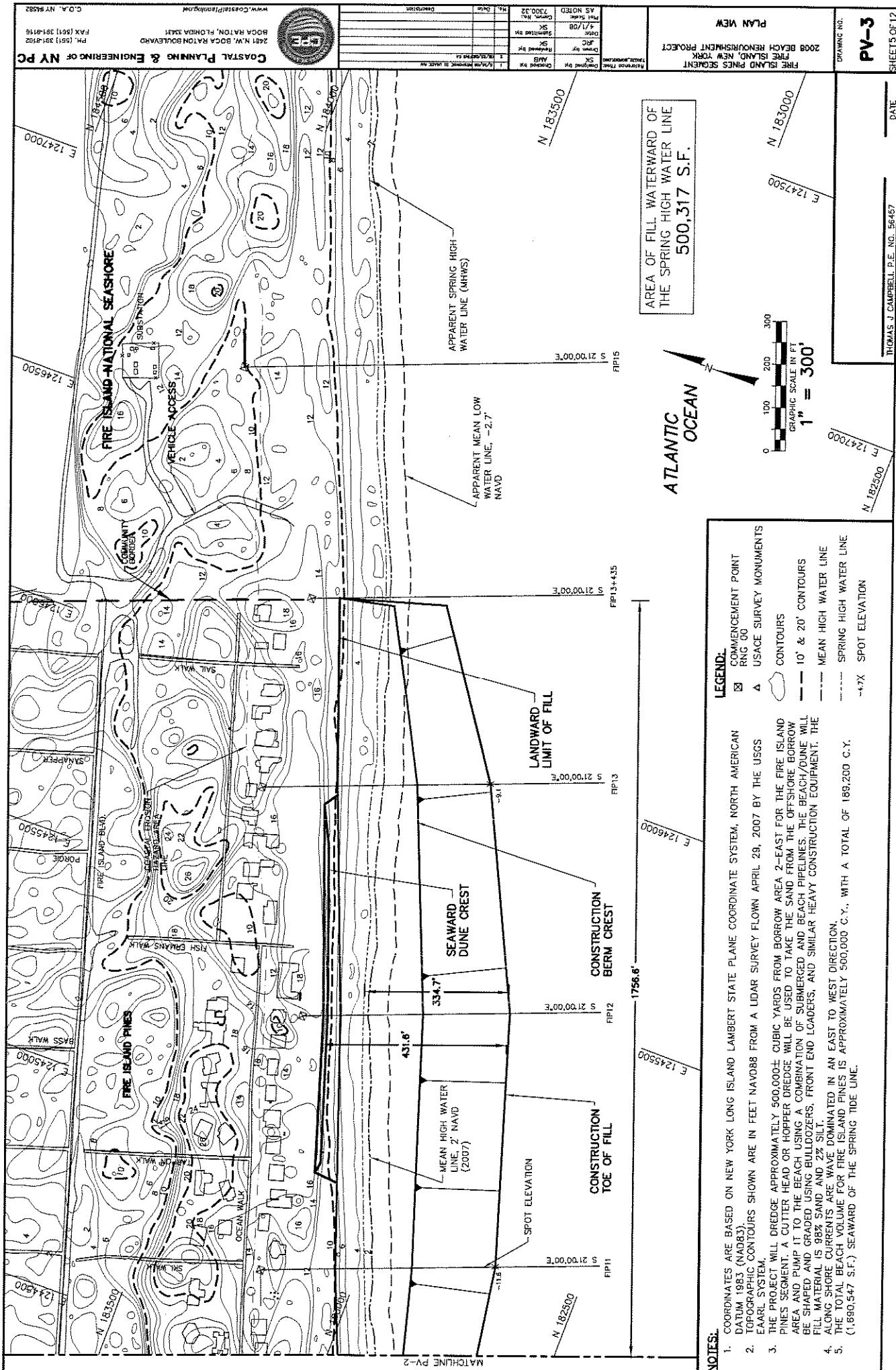
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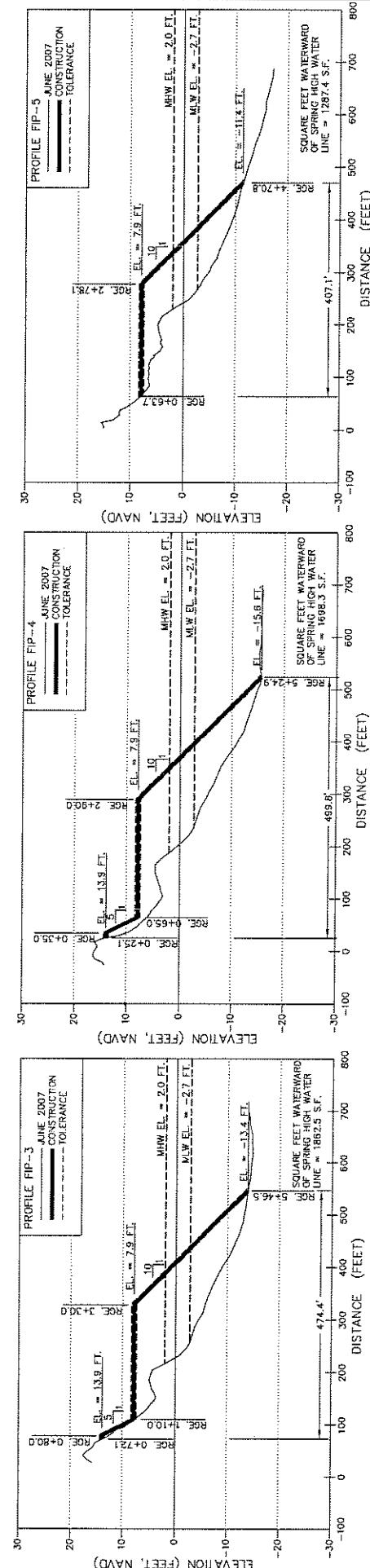
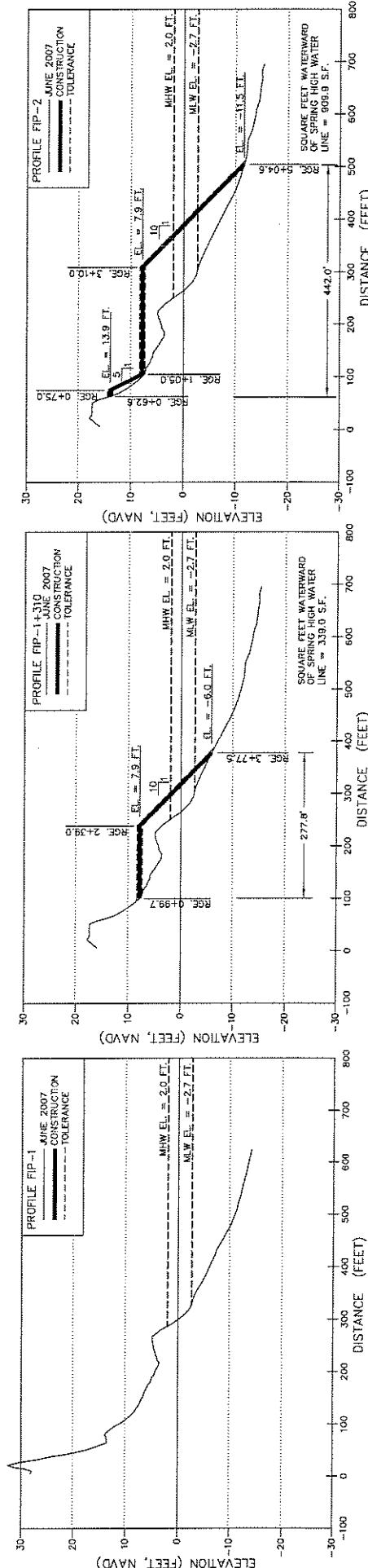




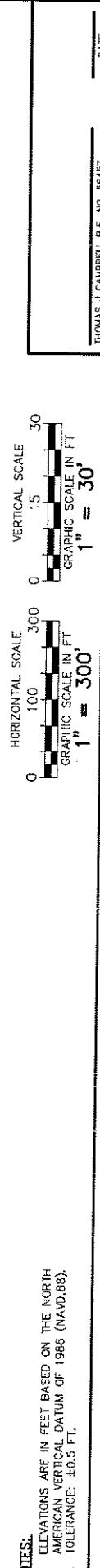
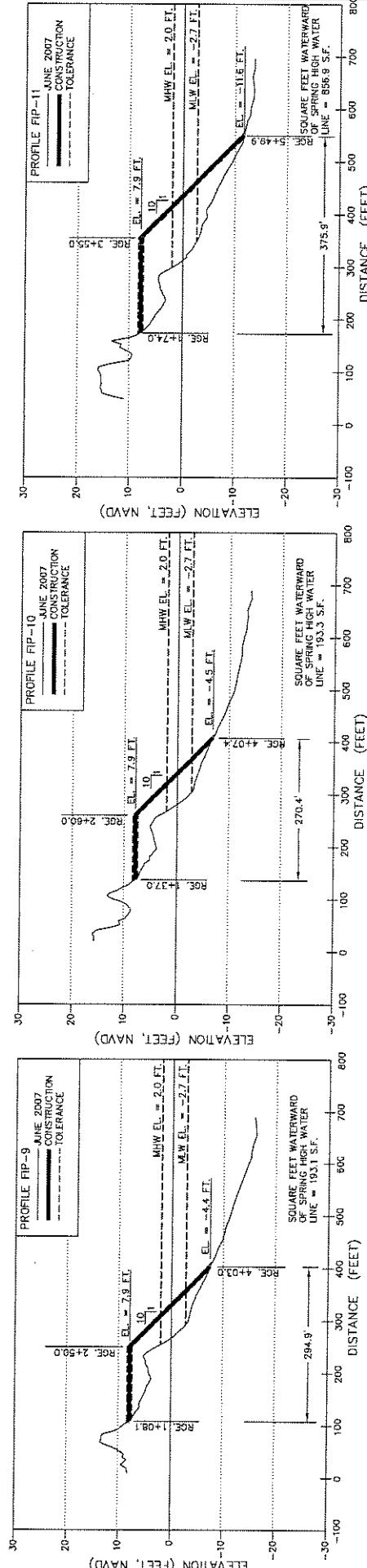
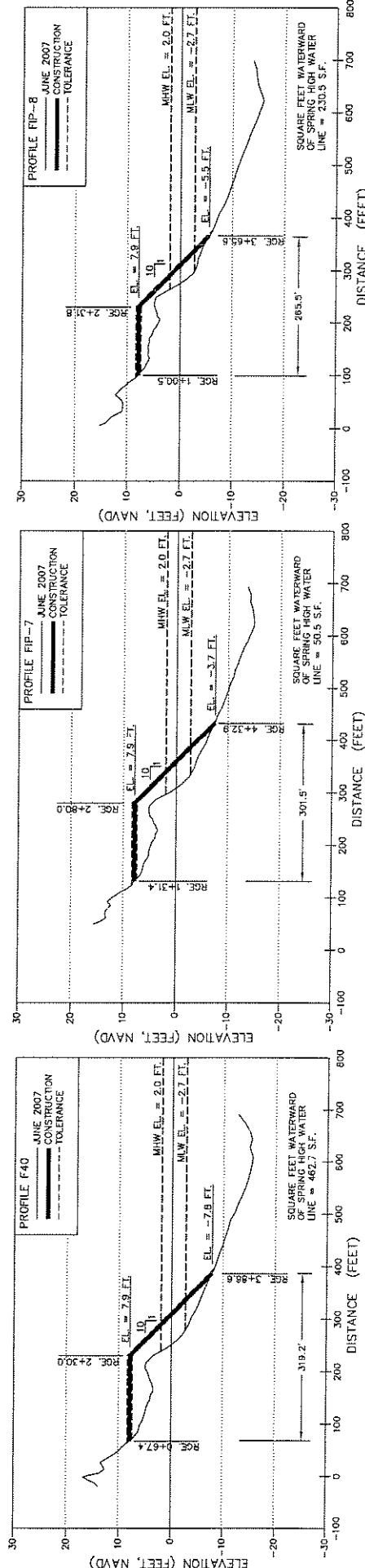
COSTAL PLANNING & ENGINEERING OF NY PC

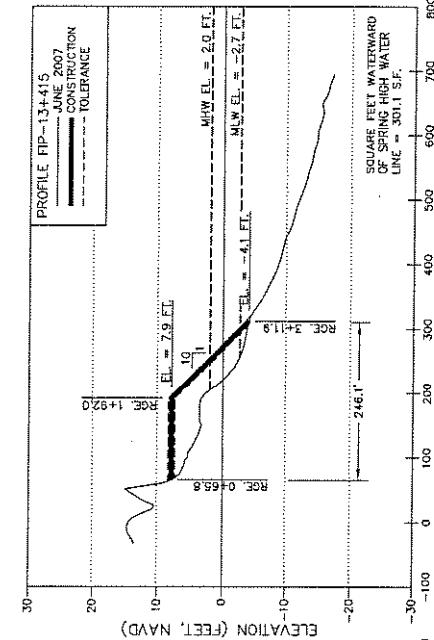
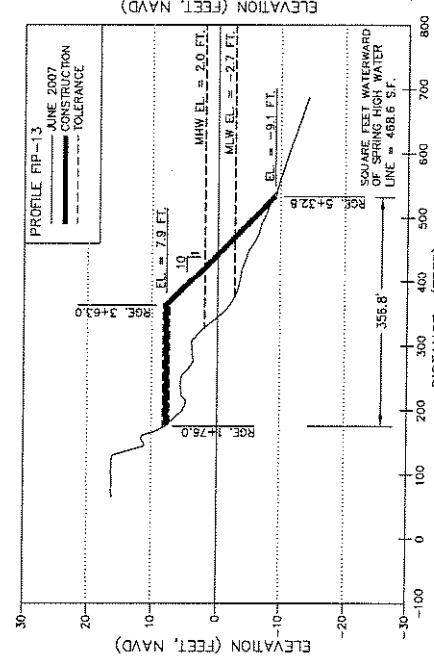
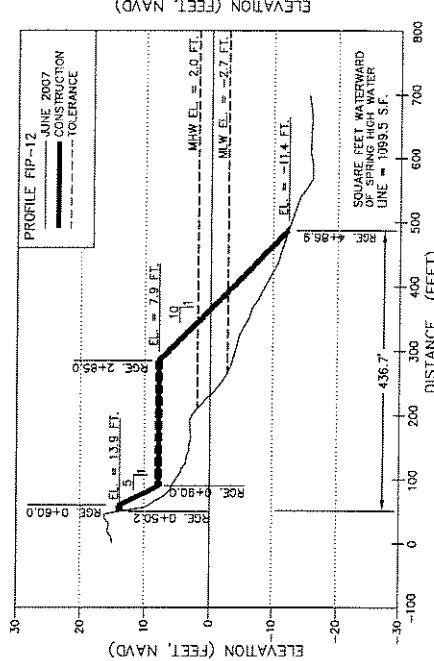
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ELEVATIONS ARE IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).  
ELEVATIONS ARE IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).





**ATLANTIC CITY**  
**TECHNICAL DRAWINGS**  
**YACHT INLET**  
**WATERFRONT**  
**CONSTRUCTION**

The graph displays a cross-section of a dune scarp repair. The vertical axis (Y-axis) is labeled "FEET (NAVD)" and ranges from 0 to 30. The horizontal axis (X-axis) is labeled "FEET" and ranges from 0 to 100. A solid line represents the "REPAIR PROFILE" for "JUNE 2007 CONSTRUCTION". A dashed line indicates the "MAIN ELLIPSE = 2.0 FT." A vertical line at approximately 85 feet is labeled "AVERAGE = 27 FT.". A small "5" is marked near the 10-foot elevation line.

## TIPTICAL DUNE SCARP REPAIR PROFILE:

THE SCARP WILL BE REPAIRED BY PUSHING SAND  
INTO A 1V:5H SLOPE TO COVER THE SCARDED  
FACE OF THE DUNE. THE REPAIR WILL NOT  
INCREASE THE DUNE WIDTH.

NOTES:

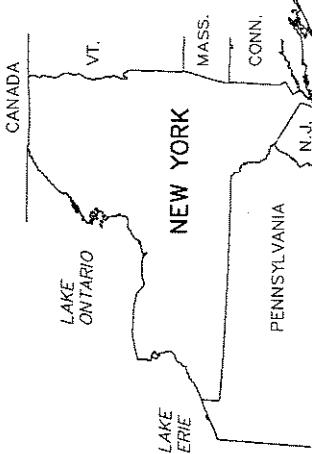
1. ELEVATIONS ARE IN FEET BASED ON THE NORTH  
AMERICAN VERTICAL DATUM OF 1988 (NAVD-88).
2. TO FRANCE, +0.5 FT

## NOTES.

1. ELEVATIONS ARE IN FEET BASED ON THE NORTH  
AMERICAN VERTICAL DATUM OF 1988 (NAVD,88).  
2. TOLERANCE:  $\pm 0.5$  FT.

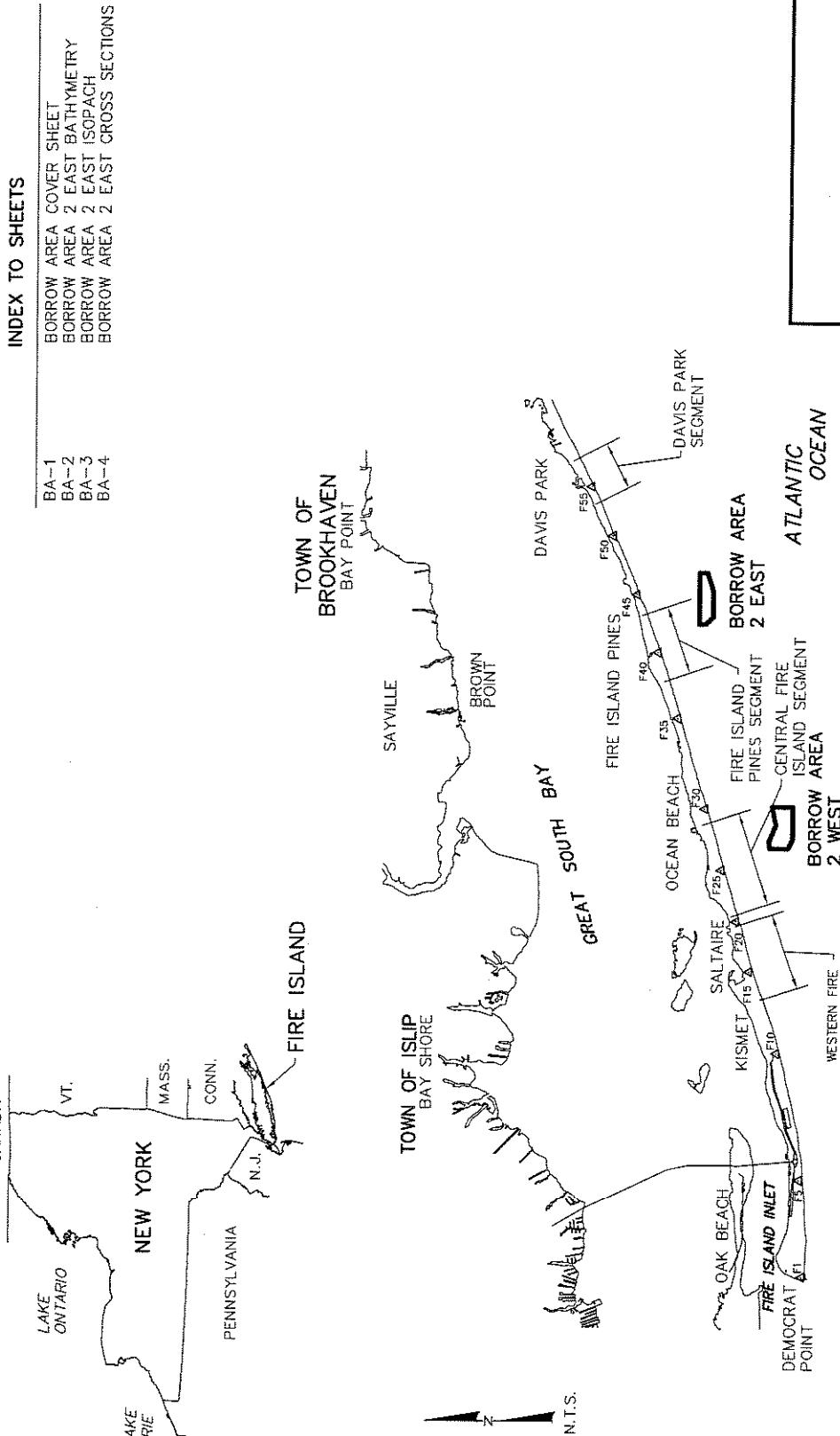
THOMAS J CAMPBELL P.E. NO. 56457 — DATE — SHEET 8 OF 12  
NAN-2008-000510-ETTA

# FIRE ISLAND 2008 BEACH RENOURISHMENT PROJECT BORROW AREA PLANS FOR THE FIRE ISLAND PINES SEGMENT



## INDEX TO SHEETS

Reference Sheet	Drawing No.	Date	Designation
BA-1			BORROW AREA COVER SHEET
BA-2			BORROW AREA 2 EAST BATHYMETRY
BA-3			BORROW AREA 2 EAST ISOPACH
BA-4			BORROW AREA 2 EAST CROSS SECTIONS



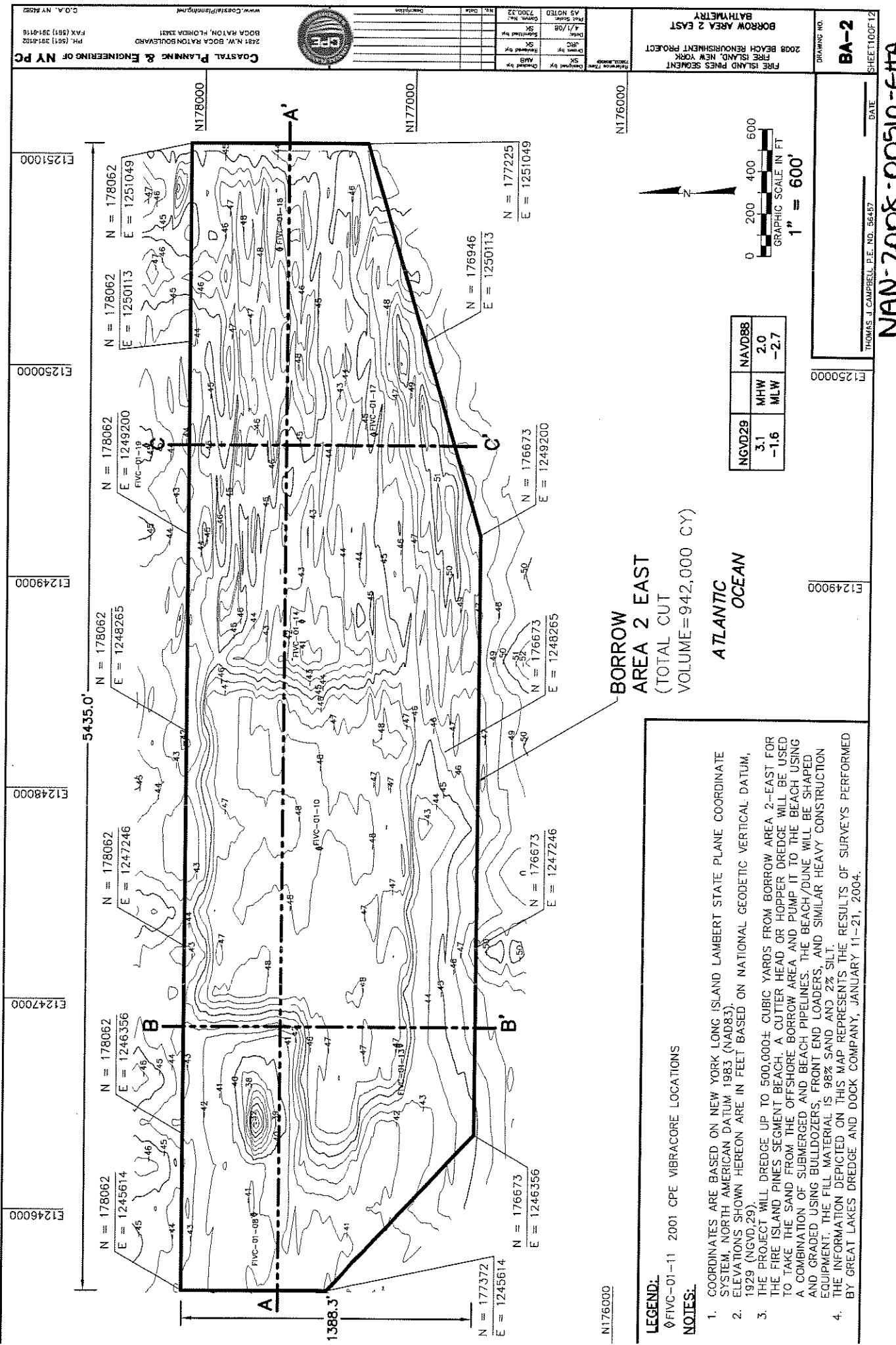
COASTAL PLANNING & ENGINEERING OF NY PC	www.CPENY.com	www.CPENYEngineering.com
2008 BEACH RENOURISHMENT PROJECT	2008 BEACH RENOURISHMENT PROJECT	2008 BEACH RENOURISHMENT PROJECT
FIRE ISLAND PINES SEGMENT	FIRE ISLAND PINES SEGMENT	FIRE ISLAND PINES SEGMENT
CITY OF NEW YORK	CITY OF NEW YORK	CITY OF NEW YORK
2008 NW BODA RAYON SOURCEVARD	2008 NW BODA RAYON SOURCEVARD	2008 NW BODA RAYON SOURCEVARD
BOCA RATON, FLORIDA 33487	BOCA RATON, FLORIDA 33487	BOCA RATON, FLORIDA 33487
PH: (561) 391-0715	PH: (561) 391-0715	PH: (561) 391-0715
FAX: (561) 391-0715	FAX: (561) 391-0715	FAX: (561) 391-0715
CD-A, NY 06528	CD-A, NY 06528	CD-A, NY 06528

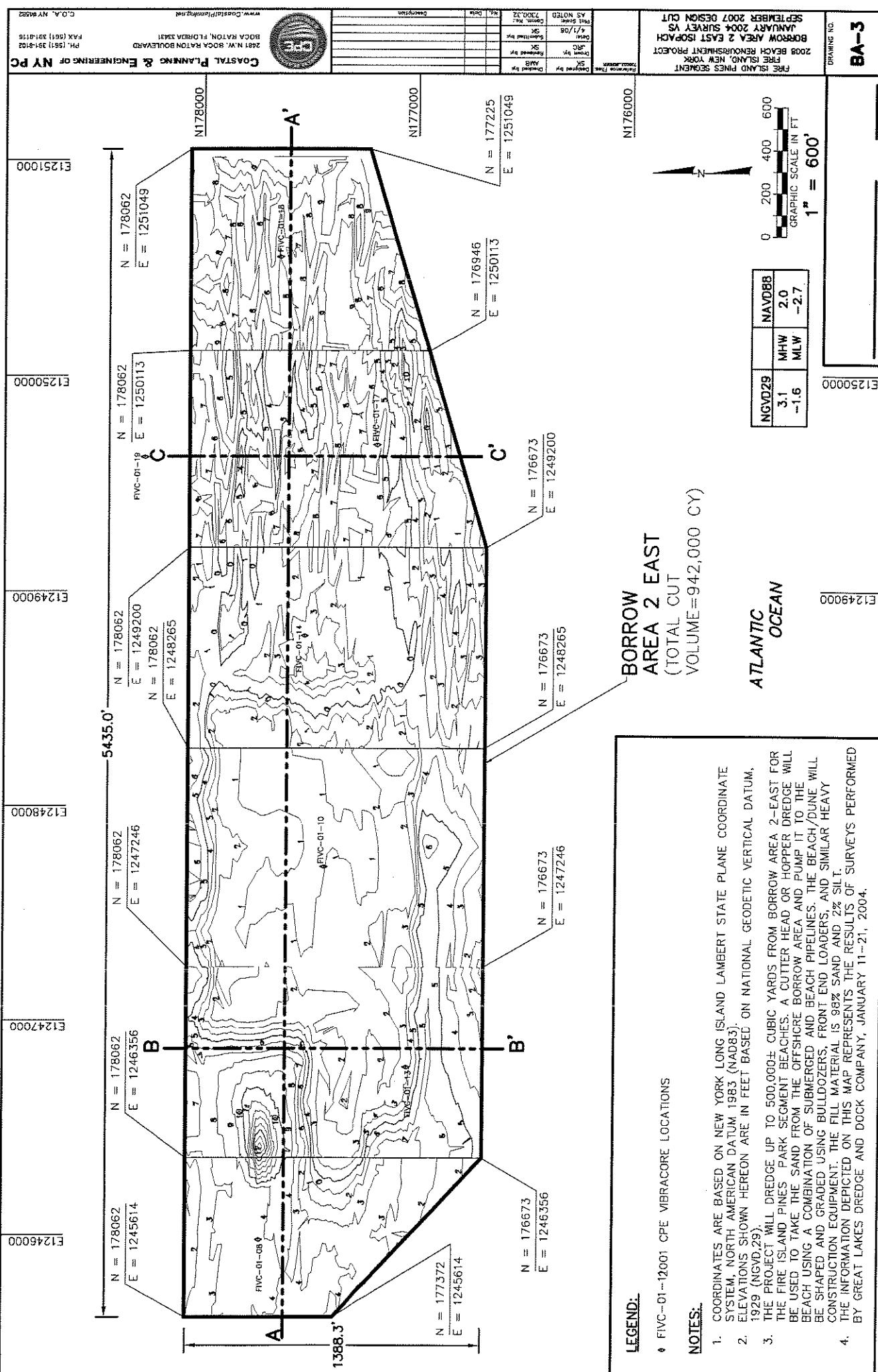
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THOMAS J CAMPBELL P.E. NO. 56457  
DATE: SHEET 9 OF 12

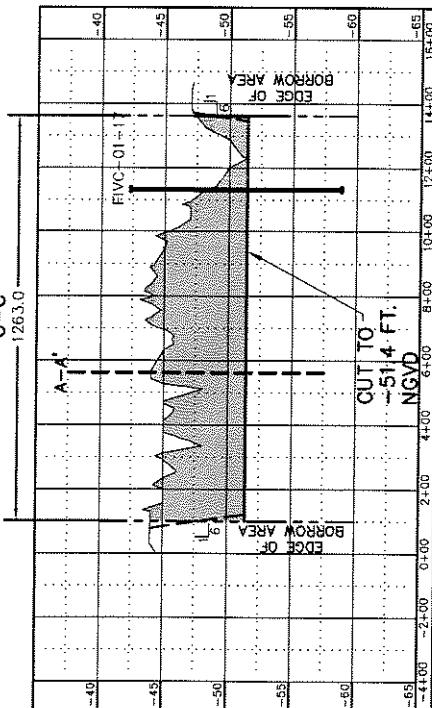
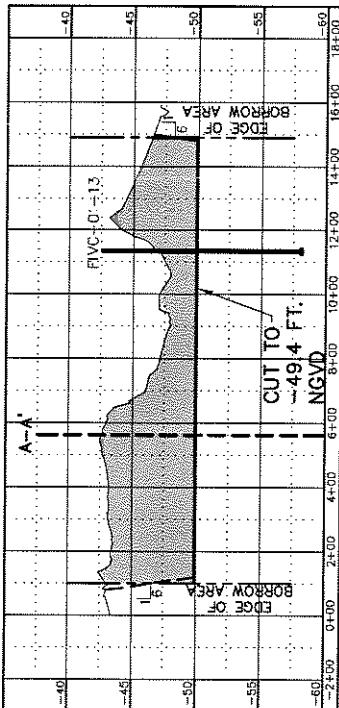
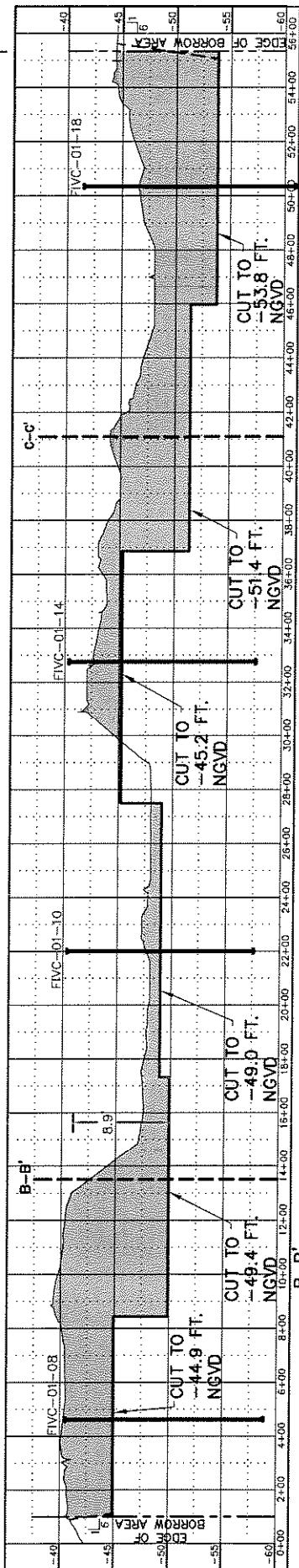
BA-1

56457

DATE







NOTES:

1. CORES MAY NOT FALL DIRECTLY ON CROSS SECTION LINE, BUT ARE LOCATED SUFFICIENTLY CLOSE TO CONTAIN SIMILAR MATERIAL.
  2. SEE BA-2 & BA-3 FOR LOCATION OF CROSS SECTION LINES.
  3. THE EXCAVATION DEPTH OF SAND IS LIMITED TO THE CUT LINE SHOWN, ALTHOUGH THE DREDGE CUTTER HEAD WILL EXTEND DEEPER TO ACHIEVE THIS CUT.
  3. THE PROJECT WILL DREDGE APPROXIMATELY 500,000± CUBIC YARDS FROM AREA 2-EAST FOR THE FIRE ISLAND PINES SEGMENT BEACH. A CUTTER HEAD OR HOPPER DREDGE WILL BE USED TO TAKE THE SAND FROM THE OFFSHORE BORROW AREA AND PUMP IT TO THE BEACH USING A COMBINATION OF SUBMERGED AND BEACH PIPELINES. THE BEACH/DUNE WILL BE SHAPED AND GRADED USING BULLDOZERS, FRONT END LOADERS, AND SIMILAR HEAVY CONSTRUCTION EQUIPMENT. THE FILL MATERIAL IS 98% SAND AND 2% S

LEGEND:

**1" = 600'**

THOMAS J CAMPBELL P.E. NO. 56457      DATE \_\_\_\_\_  
SHEET 11 OF 12  
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